

the value of custom-made chemistry

**lamberti** spa

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► **Technologies** ► Water-Based Polyurethanes

## **Water-Based Polyurethanes**

Carboxymethylcellulose

■ Guar derivatives

■ Acrylic Polymers

**Water-Based  
■ Polyurethanes**

■ Enzyme Derivatives

### **Polymers Polyurethane Applications**

	LEATHER : furnishing, wear, shoes, bags, ...
	COATING : paints for wood - frame, furniture, parquet...
	TEXTILE : oil and water treatment, resistance anti-stain,...

### **Applications and Products**

#### → **Coatings**

Polyurethane dispersions are employed like covering/coating protective for wood and plastic material as PVC, due to their high resistance to the abrasion, scratch, and solvents.

#### → **Adhesives**

Polyurethane dispersions are used as adhesives in shoe sector, for bags, foam, interior decoration and in automotive field.

#### → **Leather**

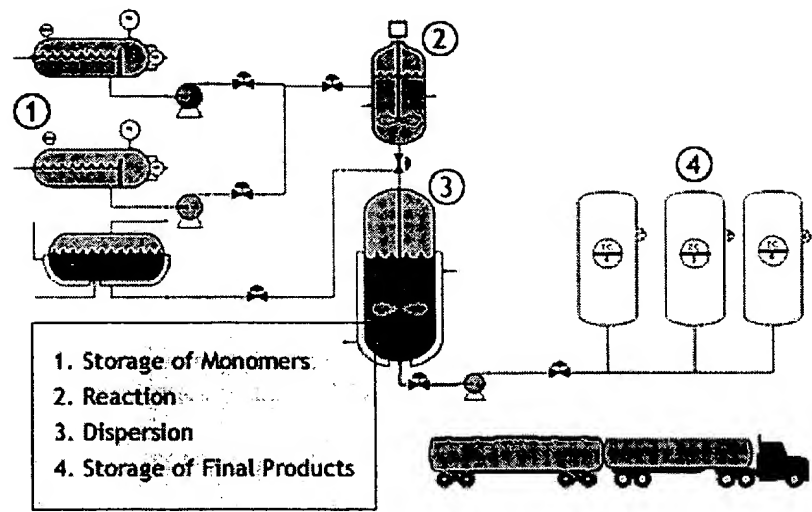
Polyurethane dispersions are employed as finishing of skins to improve surface appearance and resistance to the abrasion and light.

#### → **Textile**

Polyurethane dispersions modify textile esthetical aspect as flexibility at touch.

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**Production Process & PU Families**

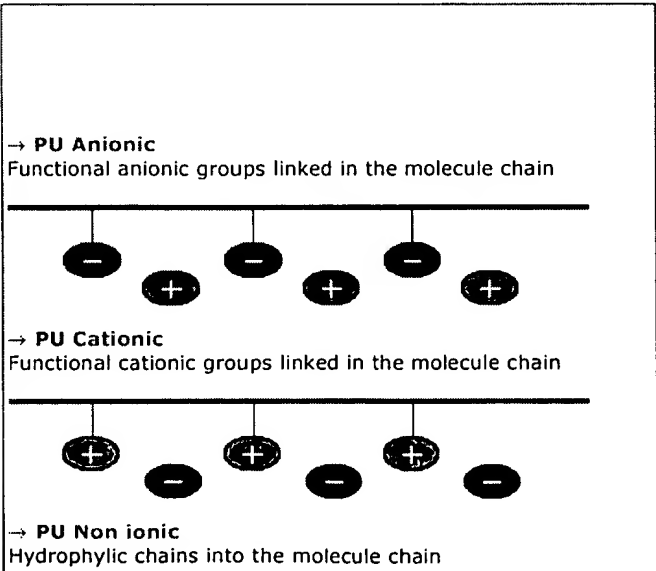
LAMBERTI produces PU in three different ways of polymerization

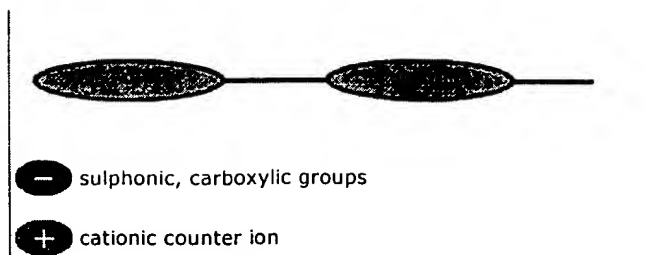
Type of Polymerization		Type of Chemical Nature
<ul style="list-style-type: none"><li>■ Fusion</li><li>■ Acetone Process</li><li>■ Prepolymer Mixing Process</li></ul>	← to obtain this three → families	<ul style="list-style-type: none"><li>■ Anionic</li><li>■ Cationic</li><li>■ Non Ionic</li></ul>


 **Raw Materials** **GO →**

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**Polyurethanes Technologies**





 **Synthesis Procedures - Polyurethane Graft-Acrylic Copolymers** **GO →**

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 **Synthesis Procedures - Prepolymer Mixing Process** **GO →**